



DEPARTMENT OF WATER RESOURCES  
EXAMINATION ANNOUNCEMENT



The Department of Water Resources offers Equal Opportunity for all regardless of race, color, creed, national origin, ancestry, sex, marital status, disability, religious or political affiliation, age, or sexual orientation.

It is an objective of the State of California to achieve a drug-free State workplace. Any applicant for State employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service and the special trust placed in public servants.

ASSOCIATE CORROSION ENGINEER  
OPEN/SPOT FOR SACRAMENTO COUNTY

FINAL FILING DATE	September 30, 2011
	Application forms (STD 678 Rev. 6/2010) must be postmarked, submitted in person, or submitted online no later than the final filing date. Applications postmarked or personally delivered after the final filing date will not be accepted for any reason. FAXED APPLICATIONS WILL NOT BE ACCEPTED.
WHO SHOULD APPLY	This is an open spot examination for Sacramento County only. Applications will not be accepted on a promotional basis.
HOW TO APPLY	Examination Applications (Form STD 678 Rev. 6/2010) may be mailed or submitted in person. <div><div>❖ <u>MAIL:</u> Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001</div><div><u>DELIVER IN PERSON:</u> Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814</div></div>
	<b>DO NOT MAIL APPLICATIONS TO THE STATE PERSONNEL BOARD OR DEPARTMENT OF WATER RESOURCES' FIELD OFFICES.</b> Applications are available at Department of Water Resources' (DWR) offices, the DWR website: <a href="http://www.water.ca.gov/jobs/currentexams.cfm">www.water.ca.gov/jobs/currentexams.cfm</a> , local office of the Employment Development Department, the State Personnel Board (SPB), and the SPB website: <a href="http://www.jobs.ca.gov">www.jobs.ca.gov</a> .
IDENTIFICATION REQUIRED	Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.
SPECIAL TESTING ARRANGEMENTS	If you have a disability and need special testing arrangements, mark the appropriate box in Question 2 of the "Application for Examination". You will be contacted to make specific arrangements.
SALARY RANGE	\$6898 - \$8378
ELIGIBLE LIST INFORMATION	An open/spot for Sacramento County eligible list will be established for the Department of Water Resources. The list will be abolished 12 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.
REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION	<b>NOTE:</b> All applicants must meet the minimum qualifications for this examination by the final filing date, <b>September 30, 2011.</b>  <b>Experience:</b> Three years of increasingly responsible professional engineering experience, two years of which must have been in corrosion engineering work comparable in responsibility to that of the Assistant Engineer level in the California state service.  <b>And</b> <b>Education:</b> Equivalent to graduation from college with major work in engineering or in physical sciences closely related to corrosion engineering. (Additional professional experience when corrosion control has been a major responsibility may be substituted for education on a year-for-year basis.)
POSITION DESCRIPTION	Under general direction, incumbents perform difficult field and office corrosion engineering work; and to do other related work.  <i>Position exists with the Department of Water Resources in Sacramento County.</i>

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION

EXAMINATION INFORMATION	This examination will consist of a <b>Supplemental Application – Weighed 100%</b> . In order to obtain a position on the eligible list, a minimum rating of 70.00% must be attained in the supplemental application. THE SUPPLEMENTAL APPLICATION WILL BE MAILED TO YOUR HOME ADDRESS. COMPETITORS WHO DO NOT COMPLETE AND RETURN THE SUPPLEMENTAL APPLICATION WILL NOT BE ALLOWED TO CONTINUE IN THE EXAMINATION.
SCOPE OF EXAMINATION	<p style="text-align: center;"><b>Supplemental Application – Weighted 100.00%</b></p> <p>In addition to evaluating the competitors' relative abilities as demonstrated by quality and breadth of experience, emphasis in the examining interview will be on measuring competitively, relative to job demands, each competitor's:</p> <p><b>A. Knowledge of:</b></p> <ol style="list-style-type: none"><li>1. Principles and practices of corrosion engineering: design of cathodic protection facilities and related equipment.</li><li>2. Corrosion test methods and procedures for investigating corrosion problems.</li><li>3. Principles of electrolytic effects, phase relationships, and physical chemistry.</li><li>4. Performance and usage of metals and other construction materials.</li><li>5. Protective coating technology and evaluation methods.</li><li>6. Principles of engineering economics.</li><li>7. Field and shop inspection methods.</li><li>8. Design techniques and construction practices that affect corrosion.</li><li>9. Principles of personnel management training and supervision.</li></ol> <p><b>B. Ability to:</b></p> <ol style="list-style-type: none"><li>1. Make comprehensive corrosion engineering studies, perform difficult research work, prepare complete and comprehensive reports, and make recommendations.</li><li>2. Prepare detailed plans and technical specifications.</li><li>3. Direct the work of others.</li><li>4. Maintain cooperative relationships with those contacted in the course of the work.</li><li>5. Make field and plant inspections and studies.</li><li>6. Analyze accurately and adopt effective action.</li></ol>
ADDITIONAL DESIRABLE QUALIFICATIONS	Familiarity with computerated design to produce technical drawings.
VETERANS PREFERENCE	<b>Veterans Preference Credit</b> will not be granted in this examination, as it does not qualify as an entrance examination under the law.

**GENERAL INFORMATION**

**The Department of Water Resources** reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.

**For any examination** without a written feature it is the candidate's responsibility to contact the Selection Services Section of the Department of Water Resources, (916) 653-4838 three weeks after the final filing date if he/she has not received a progress notice.

**Applications** are available at Department of Water Resources' (DWR) offices, the DWR website: [www.water.ca.gov/jobs/currentexams.cfm](http://www.water.ca.gov/jobs/currentexams.cfm), local office of the Employment Development Department, the State Personnel Board (SPB), and the SPB website: [www.jobs.ca.gov](http://www.jobs.ca.gov).

**If you meet the requirements** stated on the reverse, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. All candidates who pass will be ranked according to their scores.

**General Qualifications:** Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the classification.

**Examination Locations:** When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. Ordinarily, qualifications appraisal interviews are scheduled in Sacramento and Los Angeles. However, locations of interviews may be limited or extended as conditions warrant.

**If a candidate's notice** of oral interview fails to reach him/her prior to the day of the interview due to a verified postal error, he/she will be rescheduled upon written request.

**Eligible Lists:** Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) subdivisional promotional, 2) departmental promotional, 3) multidepartmental promotional, 4) servicewide promotional, 5) departmental open, 6) open eligible list. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on this bulletin. In the case of continuous testing examinations, names are merged into the appropriate lists in order of final test scores (except as modified by veterans preference credits) regardless of the date of the test, and the resulting eligible lists will be used only to fill vacancies in the area shown on the bulletin.